Pricing Sheet
Universal Second Skins
DAAE20-02-R-0039

Attachment 001

CLIN 0001 Item: Facepiece Breathing Equiment, Small
NSN: 4240-01-413-1540

First Article Test Costs [ ]

	Ordering Period 1		Ordering Period 2		Ordering Period 3		Ordering Period 4		Ordering Period 5	
Range	Unit Price	WGT	Unit Price	WGT	Unit Price	WGT	Unit Price	WGT	Unit Price	WGT
5000 - 14999		70%		50%		20%		20%		20%
15000 - 24999		15%		25%		50%		50%		50%
25000 - 34999		10%		15%		20%		20%		20%
35000 - 50000		5%		10%		10%		10%		10%

CLIN 0002 Item: Facepiece Breathing Equiment, Med/Large
NSN: 4240-01-413-1543

First Article Test Costs [ ]

	Ordering Period 1		Ordering Period 2		Ordering Period 3		Ordering Period 4		Ordering Period 5	
Range	Unit Price	WGT	Unit Price	WGT	Unit Price	WGT	Unit Price	WGT	Unit Price	WGT
10000 - 24999		30%		30%		30%		30%		30%
25000 - 49999		40%		40%		40%		40%		40%
50000 - 74999		20%		20%		20%		20%		20%
75000 - 100000		10%		10%		10%		10%		10%

1. Offerors must submit their proposed unit prices in the boxes provided. Offerors failing to bid on all items, all years and all ranges may be disqualified.

2. The Total Evaluated Clin Price will be calculated by summing the multiplication of each order quantity unit price by its respective weight and the minimum order quantity of each range for each ordering period. The sum of all ordering period evaluated prices will be the total evaluated clin price. The total evaluated price will be calcuated by summing the total evaluated clin price for each item.

3. The FAT costs will be accessed as part of the total evaluated price, if applicable. If a FAT is required, it's costs will be amortized into the unit price for the initial delivery order.only.

4. For evaluation purposes, the Government has weighted the ranges based on the likelihood that if an order is placed, it will be placed in that range.

SCOPE OF WORK

SECTION C - DESCRIPTION/SPECIFICATION
TITLE: Second Skin (USS), Universal For M40/M42 SERIES MASKS

1.0 SCOPE

This contract requires the production and delivery of Universal Second Skins (USS) for the M40/42 Series Mask.

2.0 APPLICABLE DOCUMENTS

Performance Specification EA-PRF-2006A, dated: 2 Oct 2001

2.1 Government Furnished Equipment/Material (GFE/GFM). The following components/equipment will be provided as GFP/GFM:

		Qty
TBD	Mold- Small USS, Single Cavity	1
TBD	Mold- Med/Large USS, single Cavity	1
TDB	JSLIST Overgarment	1
5-1-2740-10,20,30	Mask Facepiece Assemblies (Small, Medium and Large)	1 (each)
5-3-1500 or 5-3-1520	C2/C2A1 Canister	3
5-1-1545-10 or -20	Outsert, Small, (Clear or Tinted)	1
5-1-2701	Hood, Quick Doff	1
TBD	Saratoga Overgarment	

3.0 REQUIREMENTS:

3.1 General. The contractor shall provide the necessary services, personnel, labor, test equipment, facilities, materials, supplies and equipment (except those specifically designated as Government furnished) to design, produce, package, and deliver two sizes of USS in accordance with the contract delivery requirements.

3.2 Second Skin. The USS shall be produced in two sizes, small and medium/large, and in accordance with the requirements of performance specification EA-PRF-2006 with exceptions cited in the contract Section C.

3.3 Tooling. Single cavity molds to produce both sizes of the USS will be provided as GFP. The contractor shall be responsible for any maintenance and/or rework procedures and any associated costs, in order to keep the tooling in serviceable condition during the performance of this contract. Re-plating of molds is considered a maintenance function. The contractor shall notify the KO of any rework/maintenance procedures to be performed on the tooling. The government has the right to invoke a second First Article(FA) inspection requirement following any tooling rework/maintenance. Upon completion of the contract, all tooling shall be maintained to the quality necessary to produce the USS to the requirements of the performance specification.

3.4 Packaging. Packaging. Packaging shall be as specified in the contract Section D.

Attachment 002

4.0 INSPECTION AND QUALITY CONFORMANCE

4.1 First Article (PREPRODUCTION): First Article samples of the USS produced from the GFP tooling shall be inspected, as applicable, in accordance with the contract requirements and specification EA-PRF-2006. The results of the inspection shall be identified in the FA report as required in the contract.

4.2 Regular Production. Quality Conformance and Inspection of USS shall be in accordance with the contract clauses and specification EA-PRF-2006.

5.0 ACCEPTANCE AND DELIVERY

5.1 Second Skin. Acceptance of the USS shall be based on government acceptance of the FA test reports on pre-production samples made from the GFP tooling and based on acceptance of production quantities meeting the inspection and quality requirements of the contract. Delivery quantities and dates shall be as specified in the contract.

INCH–POUND

EA –PRF –2006A
2 October 2001
SUPERSEDING
EA –PRF –2006
13 June 1996

EDGEWOOD CHEMICAL BIOLOGICAL CENTER PERFORMANCE PURCHASE DESCRIPTION

SECOND SKIN (SS), UNIVERSAL FOR M40/M42 SERIES MASKS

1. SCOPE

1.1 Scope. This specification covers a chemical–biological agent protective second skin (SS) for chemical–biological protective masks.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to insure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Non –Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted are those listed in the issue of the DoDISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS are the issue of the documents cited in the solicitation (see 6.2).

ASTM STANDARDS

D 395 – Rubber Property – Compression Set
D 412 – Vulcanized Rubber and Thermoplastic Rubber, and Thermoplastic Elastomers – Tension
D 518 – Rubber Deterioration – Surface Cracking
D 572 – Rubber – Deterioration by Heat and Oxygen
D 573 – Rubber Deterioration in an Air Oven
D 624 – Tear Strength of Conventional Vulcanized Rubber and Thermoplastic

FSC 4240

Attachment 003

Elastomers
D 746 – Brittleness Temperature of Plastics and Elastomers by Impact
D 1053 – Rubber Property – Stiffening at Low Temperatures: Flexible Polymers and Coated Fabrics
D 1171 – Rubber Deterioration – Surface Ozone Cracking Outdoors or Chamber (Triangular Specimens)
D 2240 – Rubber Property – Durometer Hardness
D 3182 – Rubber – Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets

(Application for copies should be addressed to ASTM, 100 Barr Harbor Drive, West Conshocken, PA 19428–2959.)

2.3 Other publications. The following documents form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DODISS and the supplement thereto, if applicable.

SCHWARTZ, TULIPAN, AND BIRMINGHAM

Occupational Diseases of the Skin

(This publication may be obtained from the publishers, Lea and Pebiger, Philadelphia, PA.)

Rubber Handbook – for Molded, Extruded, Lathe Cut and Cellular Products

(This publication may be obtained from the publishers, The Rubber Manufacturers Association, Inc., 1400 K Street, N.W., Washington, D.C. 20005)

2.4 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Item description. The SS shall provide additional chemical–biological agent protection by covering the faceblank of the M40 Series Mask (see 6.7).

3.2 Manufacture (see 6.3 and 6.9). The SS shall be comprised of one piece. Although secondary assembly operation should be avoided, the SS may be molded or manufactured using any techniques which are necessary. As a goal, the SS shall be constructed with a minimal number of components. A single component configuration shall be pursued prior to investigation

of a multiple component configuration. A statement shall be provided addressing the non–feasibility of a single component configuration, if applicable.

3.2.1 Materials and processes (see 6.3). The SS shall be comprised of a material which must perform to the physical characteristics stated in Table I when tested in accordance with Table II. The configuration of the SS will require an overlap of the M40 Mask faceblank material in a manner such that the SS will contact the skin of the wearer.

TABLE I. Physical and chemical properties of material

Property	Units	Unaged		Aged 1/	
		Minimum	Maximum	Minimum	Maximum
Tensile strength	MPa (psi)	11.0(1600)	———	9.6(1400)	———
Ultimate elongation	Percent	350	———	300	———
Tensile stress at 200% elongation	MPa (psi)	2.1(300)	———	2.1(300)	———
Tensile set at 300% elongation	Percent	———	18	———	18
Tear resistance Die B	kN/m (lbf/in)	30.7(175)	———	21.9(125)	———
Low temperature brittleness at –40 C 2/	———	Pass	———	———	———
Durometer hardness (Shore "A")	———	45	55	45	60
Flexibility – torsional stiffness at –32 C 2/	ratio	———	2.5	———	———
Compression set (24 hrs at 70 C)	Percent	———	20	———	———
Ozone resistance 2/	Units	80	———	———	———
Agent permeation 2/ 3/					
Mustard	Minutes	225	———	———	———
GB	Minutes	360	———	———	———

1/ First article only. See 4.3.6.1 and 4.3.6.2.
2/ Tests shall be conducted on first article samples and special inspection if applicable (see 4.2).
3/ Agent permeation testing shall be conducted by the Government (see 4.1.1 and 6.4).

3.2.2 Toxicity. The SS shall not cause sensitization or irritation of the wearer's skin. Objective evidence shall be submitted in accordance with 4.2.3. Once the material formulation has

TABLE II. Material test specimens and tests

Property	Specimen			Total	Method
	Unaged	Heat aged 1/ 2/	Oxygen aged 1/ 2/		
Tensile strength Ultimate elongation Tensile stress at 200% elongation	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	9	ASTM D 412
Tensile set at 300% elongation	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	9	ASTM D 412
Tear resistance Die B	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	9	ASTM D 624
Low temperature brittleness, procedure B 2/	Cut one specimen from each of five test slabs	None	None	5	ASTM D 746
Durometer hardness	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	Cut one specimen from each of three test slabs	9	ASTM D 2240
Flexibility – torsional stiffness 2/ 3/	Cut one specimen from each of two test slabs	None	None	2	ASTM D 1053
Compression set Method B	Three test buttons	None	None	3	ASTM D 395
Ozone resistance 2/	Cut one specimen from each of five test slabs	None	None	5	ASTM D 1171 ASTM D 518 4/
Agent permeation 2/ Mustard 5/ GB 5/	Cut two specimens from each of eight test slabs	None	None	16	See test 5/

1/ See 4.3.6.1 for oxygen aging and 4.3.6.2 for heat aging.

2/ First article and special inspection if applicable (see 4.2).

3/ Test two specimens at 23 _ ¦ 2_C and then test the same specimens at –32 _ ¦ 2_C after being conditioned for 72 ¦ 1 hour at that temperature (–32_C). Determine torsion wire to be used in accordance with Method A of ASTM D 1053.

4/ Test specimens shall be in accordance with Method A of ASTM D 518, and ozone exposure shall be in accordance with Ozone Chamber Exposure Method A of ASTM D 1171.

5/ Agent permeation testing shall be conducted by the Government (see 4.1.1 and 6.4). Testing shall be conducted in accordance with 4.3.6.3 for Mustard and 4.3.6.4 for GB.

been approved by the Government, the contractor shall not make a major change (6.10) in the formulation or in the curing process.

3.2.3 Color. The SS material shall be black (see 6.11).

3.2.4 Size. The SS shall be produced in two sizes as follows:

Type I . . . . Small
Type II. . . . Medium/Large

The type I SS shall be compatible (see 3.3 and 3.4) with the small mask while the Type II SS shall be compatible with the medium and large mask (see 6.7).

3.3 Fit (see 6.7 and 6.8). The SS shall fit over the front of the M40 Series Masks while exposing the eye lenses, the side ports, the front voicemitter, and the outlet valve body. The SS, once installed on a mask shall not protrude from the mask except in the area below the chin where a flap extension is necessary.

3.4 Interface. The SS(s) shall fit around the eye lenses, the front voicemitter, the outlet valve housing, and the side ports of the mask. None of these areas shall be obstructed by the SS(s). The SS shall interface with the Quick Doff Hood, the Hood of the Saratoga Overgarment and the JSLIST Overgarment. JSLIST Overgarment samples shall be obtained from the Government (see 6.12). It is necessary that this interface is without any interference with either the quick doff hood, the saratoga overgarment or the JSLIST overgarment. The SS(s) shall be removable from the mask without damage to the SS, mask components, or any other interfacing items. The SS(s) shall conform to the contours of the faceblank.

3.5 Workmanship. All surfaces of the SS shall be smooth and free from imperfections such as pits, bumps, holes, porosity, cracks, checks, distortion, or blisters and damage such as abrasions, rips, tears or punctures. Flash shall be no more severe than that of a normal tear trim tolerance, as stated under "Standards for Flash", in the Rubber Handbook for Molded, Extruded, Lathe Cut, and Celullular Products. The SS shall be free of contamination such as grease, oil, or dirt.

3.6 Identification and marking. The SS shall be permanently marked with a medallion (see para 6.13), or equivalent, which will include the week, month and year in which the SS was manufactured. In addition, the Type I SS shall be permanently marked with the letter "S" and the Type II SS shall be marked with the letters "M/L". If the SS is molded, then it shall also be marked with the mold core and cavity markings and the formulation number for the material used.

3.7 SS weight. The SS shall weigh no more than 150 grams (0.33 lbs).

3.8 First article. When specified (see 6.2), a sample shall be subjected to first article inspection in accordance with 4.2.

4. VERIFICATION

4.1 General.

4.1.1 Government responsibility. The Government will be responsible for conducting the agent permeation tests in table II and table III (see 6.4).

4.1.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

(a) First article inspection (see 4.2)
(b) Conformance inspection (see 4.3)

4.2 First article inspection.

4.2.1 Sample. The first article sample shall be manufactured using the same methods, materials, equipment, and processes as will be used during regular production and shall consist of the following: 15 SSs of each size (if applicable), 56 test slabs and 3 test buttons. Test slabs and buttons shall be fabricated in accordance with ASTM D 3182 from the same batch or lot of materials used to make the first article sample. The thickness of the test slabs for agent permeation shall be 0.030 + 0.005 inches. The thickness of the test buttons shall be 0.50 ¦ 0.02 inches. The slabs and buttons shall have a cure equivalent to that of the regular production SSs and any finish or treatment which is applied to the SS shall also be applied to the test slabs and buttons (see 6.5).

4.2.2 Inspection procedure.

4.2.2.1 Material physical and chemical properties tests. Forty–eight test slabs and three test buttons from the first article sample shall be tested for physical and chemical properties as specified in table II. The remaining eight test slabs shall be submitted to the Government for agent permeation testing (see 6.4).

4.2.2.2 Destructive test for special inspection.

4.2.2.2.1 Agent permeation. In the event of a multiple component configuration with seam construction, twelve SSs of each size shall be selected from the first article sample for agent permeation testing. One taped seam specimen shall be cut from each SS of each size. Specimens shall be submitted to the Government (see 6.4) for agent permeation testing as specified in table III.

TABLE III. First article special inspection procedures.

Requirement	Number of first article specimens for each size facepiece	Test method
Agent permeation of taped seams*		
Mustard	12	4.3.6.3
GB	12	4.3.6.4

*Tests will be conducted by the Government.

4.2.2.3 Interface. The contractor shall submit a plan to demonstrate that the interface required is met. This plan shall be submitted to the Contracting Officer for approval prior to the demonstration. The Government shall witness this demonstration.

4.2.2.4 SS weight. The weight of each item shall be less than as specified in 3.7 when tested using suitable commercial equipment.

4.2.3 Objective evidence.

4.2.3.1 Toxicity. After date of award of contract, and within the time specified in the contract, and without additional cost to the Government, the contractor shall submit the information listed below which will constitute his evidence for establishing the nontoxicity of the formulation. The US Army Surgeon General will act as advisor to the contracting officer in evaluating this data for determining if the formulation and parts are acceptable. The information relating to the description of the candidate formulations may be classified as "company confidential" and this information will be so treated by the Government.

(a) Information relating to candidate formulations:

(1) The name of the contractor and the producing subcontractor, if any.

(2) Description of the item and end item and copies of applicable specifications shall be included.

(3) The number of items under procurement for which the proposed formulation shall be used.

(4) A description of the candidate formulation shall include:

a. The chemical and trade names of the ingredients.

b. The quantity of each ingredient, including the range of variations that can be tolerated without loss of quality in the finished item. Quantities shall be expressed in percent by weight and parts by weight.

c. The proposed mold lubricants, dusting powders, wet spray, or other materials used in the manufacturing process.

d. Proposed cure times and temperatures.

e. Results of previous toxic evaluation demonstrating acceptability or evidence of prior Government approval of the proposed formulation.

f. Information and data to substantiate the nontoxicity of the product. This information shall include a complete description of any programs the contractor has carried out to prove nontoxicity, such as prior patch testing with unlined items which when used involve direct contact with the skin; evidence that the proposed formulation is the same as that used in his commercial products; and information on the nature, extent, and length of time of his commercial experience with the formulation. Other evidence may include references to technical or other scientific publications, commercial laboratory reports, opinions or statements of recognized authorities and agencies in the field of dermatology, and any other pertinent data.

(b) **Patch testing.** If the above information is not sufficient to establish nontoxicity of the material formulation, the contractor shall perform 200 patch tests under the supervision of competent medical authorities in the field of dermatology. These patch tests shall be at no additional cost to the Government and shall be conducted in accordance with the prophetic patch test method described in Occupational Diseases of the Skin by Schwartz, Tulipan, and Birmingham. The patches composed of the candidate material formulation shall not produce positive reactions. A copy of the test results and the evaluation thereof by the medical authorities above shall be furnished to the contracting officer.

4.2.4 Acceptance criteria. If any first article sample item fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements. The contractor shall obtain written approval from the contracting activity prior to proceeding with regular production.

4.3 Conformance inspection.

4.3.1 Lotting. A lot shall consist of the items produced by one manufacturer, at one plant, from the same batch/material lot, under essentially the same manufacturing conditions, and at essentially the same time.

4.3.2 Sampling. Sampling shall be conducted in accordance with the classification of characteristics in 4.3.5 and, when specified, Table IV. Samples shall be selected at random.

TABLE IV. Sampling

Lot size	Inspection levels and sample sizes										
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
2 to 8	*	*	*	*	*	*	*	*	5	3	2
9 to 15	*	*	*	*	*	*	13	8	5	3	2
16 to 25	*	*	*	*	*	20	13	8	5	3	3
26 to 50	*	*	*	*	32	20	13	8	5	5	5
51 to 90	*	*	*	50	32	20	13	8	7	6	5
91 to 150	*	*	125	50	32	20	13	12	11	7	6
151 to 280	*	*	125	50	32	20	20	19	13	10	7
281 to 500	*	315	125	50	48	47	29	21	16	11	9
501 to 1200	*	315	125	75	73	47	34	27	19	15	11
1201 to 3200	1250	315	125	116	73	53	42	35	23	18	13
3201 to 10000	1250	315	192	116	86	68	50	38	29	22	15
10001 to 35000	1250	315	294	135	108	77	60	46	35	29	15
35001 to 150000	1250	490	294	170	123	96	74	56	40	29	15
150001 to 500000	1250	715	345	200	156	119	90	64	40	29	15
500001 and over	1250	715	435	244	189	143	102	64	40	29	15

*Indicates one hundred percent inspection. If sample size exceeds lot size, perform one hundred percent inspection.
Accept the lot represented on zero nonconforming characteristics and reject the lot represented on one or more nonconforming characteristics for all inspection levels.

4.3.3 Inspection procedure. Every item in the lot shall be inspected for critical characteristics. The lot represented shall be rejected when nonconformance to a critical characteristic is found. Sample items and, when applicable, the special inspection shall consist of SS taped seam agent penetration tests. Failure of any sample item to conform to special inspection criteria or any characteristic in the classification of characteristics based on the sampling and acceptance criteria specified therein shall be cause for rejection of the lot represented.

4.3.3.1 Special inspection sample. In the event of a multiple component configuration with seam construction, the special inspection sample shall consist of 42 SSs of each size taken from Government acceptance lots. Samples shall be selected at the the direction of the Government quality representative from anywhere within each successive grouping of 2000 consecutively

produced SSs of each size. The sample shall be submitted to the Government for testing (see 6.4).

4.3.3.2 Special inspection procedure. In the event of a multiple component configuration with seam construction, twelve SSs of each size shall be randomly selected from the sample for test. One taped seam specimen shall be cut from each SS of each size. Specimens shall be tested in accordance with 4.3.6.3 and 4.3.6.4 with the seam centered in the specimen ¦ 1/4 inch. Resultant specimens will be mounting in the test fixture. The taped seam specimens shall be tested for agent permeation identically to those in the first article sample (see table III).

4.3.4 Inspection characteristics. Critical characteristics are characteristics whose nonconformance to specified requirements is likely to result in hazardous or unsafe conditions for individuals using, maintaining, or depending upon the product or whose nonconformance to specified requirements is likely to prevent performance of the tactical function of a major end item. Major characteristics are characteristics whose nonconformance to specified requirements is likely to result in failure or to reduce materially the usability of the item for its intended purpose. Minor characteristics are characteristics whose nonconformance to specified requirements is not likely to reduce materially the operation or usability of the item for its intended purpose.

4.3.5 Classification of characteristics. Conformance examinations and tests shall be as specified in the following classification of characteristics paragraphs. When specified herein, accept on 0 and reject on 1 attributes sampling inspection shall be performed on the designated characteristics using the stated levels in table I for selection of sample sizes.

CLASSIFICATION OF CHARACTERISTICS

PARAGRAPH	TITLE	SHEET 1 OF 1	DRAWING NUMBER
4.3.5(a)	Second skin (SS), universal for M40 Series Mask		NEXT HIGHER ASSY

CATEGORY	CHARACTERISTIC	SAMPLING AND ACCEPTANCE CRITERIA	REQUIREMENT PARAGRAPH	INSPECTION METHOD
Critical				
1	No damage or imperfection in critical areas (see 6.6)	100 percent	3.5	VI
Major				
101	Identification and Marking	Table IV, Level VII	3.6	VI
102	Workmanship other than critical	Table IV, Level VII	3.5	VI
Minor				
201	Color	Table IV, Level IX	3.2.3	VI

NOTES:

CE – Commercial inspection equipment
VI – Visual inspection

4.3.6 Tests.

4.3.6.1 Oxygen aging. Test specimens selected for oxygen aging shall be aged in accordance with ASTM D 572 for 72 + 1 hour.

4.3.6.2 Heat aging. Test specimens selected for heat aging shall be aged in an air oven at 70 ¦ 2_C for a continuous period of 72 + 1 hour in accordance with ASTM D 573.

4.3.6.3 Mustard. Place sample horizontally in a suitable container that provides an air chamber above the sample and another below it. The upper chamber shall be small enough to preclude significant evaporation. Provide ports for allowing room air to be drawn across the underside of the sample. Cover a known area of at least 20 cm^2 of the top surface of the sample with distilled liquid mustard of 95 –percent or greater purity. Draw air across the bottom of the sample and continuously analyze the effluent for agent. Record the time at the moment agent is placed upon the sample and the time a cumulative amount of agent of 4 γ/cm^2 is measured in the effluent. The test shall be carried out at 22° ± 2°C. The analyzer shall be capable of measuring a permeation ratio of at least 0.5 γ/cm^2 per minute. The differential pressure across the sample during the test shall not exceed 0.01 atmosphere.

4.3.6.4 GB. Place sample horizontally in a suitable container that provides an air chamber above the sample and another below it. The upper chamber shall be small enough to preclude significant evaporation. Provide ports for allowing room air to be drawn across the underside of the sample. Cover a known area of at least 20 cm^2 of the top surface of the sample with stabilized GB of 90 –percent or greater purity. Draw air across the bottom of the sample and continuously analyze the effluent for agent. Record the time at the moment agent is placed upon the sample and the time a cumulative amount of agent of 1.25 γ/cm^2 is measured in the effluent. The test shall be carried out at 22° ± 2°C. The analyzer shall be capable of measuring a permeation ratio of at least 0.14 γ/cm^2 per minute. The differential pressure across the sample during the test shall not exceed 0.01 atmosphere.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD –ROM products, or by contacting the responsible packaging activity.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The SS is intended for use in conjunction with the quick doff hood or the saratoga ensemble and provides chemical–biological agent protection for chemical–biological protective masks.

6.2 Acquisition requirements. Acquisition documents must specify the following:

(a) Title, number, and date of this specification.
(b) Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1).
(c) Size of SS required
(d) Packaging requirements (see 5.1).
(e) First article:

(1) Time allowed for contractor submission of samples for Government test and evaluation after award of contract when testing is performed by the Government.
(2) Name and address of test facility and shipping instructions when testing is performed by the Government.
(3) Time required for the Government to notify the contractor whether or not to proceed with production.

6.3 Second skin (SS), universal (TDP 5–1–3321). Second skin (SS), universal conforming to TDP 5–1–3321 has been found to be satisfactory. However, the government does not guarantee that the use of TDP 5–1–3321 will result in meeting the requirements of this specification.

6.4 Samples for Government testing. Samples for Government testing shall be forwarded to Technical Director, U.S. Army Edgewood Research, Development and Engineering Center, ATTN: SCBRD–ENM–S, Building E5100, Aberdeen Proving Ground, MD 21010–5423.

6.5 Equivalent cure. Slabs and SSs of the same stock and gage are considered to have equivalent cures or the same state of vulcanization when:

(a) Rheometer curves are consistent with each other.
(b) Their average tensile stress (modulus) values do not vary more than 2.5 percent.

6.6 Critical areas. The sideport opening areas, the voicemitter housing area, the outlet valve body, and the lens interface are defined as critical areas of the SS.

6.7 M40 Series Masks:

EA–M–1801	– Mask, Chemical–Biological, Protective, Field, M40A1
EA–M–2002	– Mask, Chemical–Biological, Protective, Combat Vehicle, M42A2

6.8 Interfacing Hood.

EA–H–1779	– Hood Assembly, Quick Doff
MIL–S–29462	– Hood, Saratoga

6.9 Manufacture. The periphery of the SS shall be interfaced satisfactorily in the identical manner as the second skin (SS), universal (Drawing 5–1–3321). The periphery of the SS shall extend beyond the periphery of the faceblank of the M40 Series Mask an equal distance to that of the second skin (SS), universal. This periphery shall be smooth and free from any irregularities such as ridges and other surface variations.

6.10 Major change. Major change applies to any change in formulas, processing or curing of currently approved material stocks which may induce toxic characteristics and cause casualties. The major change should be considered effected when one or more of the following conditions apply:

(a) Components of formulas are varied in excess of the limitations stated in the manufacturer's tolerance.

(b) The addition or deletion of one or more components of formulas.

(c) Deviation from the submitted factory mold cure exceeding +10_C or –15_C even though equivalent cure is attained.

(d) Use of mold lubricants, dusting powder, or wet sprays not used in preparation of the cure of the original samples submitted for toxicity approval.

6.11 Color. Color chip numbers 27038, 27040, 37030 or 37038 of FED–STD–595 or equivalent are satisfactory for color.

6.12 JSLIST samples. During the first article and subject to later revision during production, the Government will provide samples which can be obtained by sending a request for loan of the items to:

Navy Clothing and Textile Research Facility
ATTN: Nancy Pimental (N2)
P.O. Box 59
Natick, MA 01760

The contractor shall notify the Contracting Officer of this request.

6.13 Medallion. Government part number 5–1–1544 illustrates a medallion configuration.

6.14 National Stock Numbers (NSN). The following NSN's correspond to the Type I and Type II SSs:

Type I	4240–01–413–1543
Type II	4240–01–413–1540

Preparing activity:

Technical Director
U.S. Army Edgewood Chemical Biological Center
ATTN: AMSSB–REN–SS
Aberdeen Proving Ground, MD 21010–5424

USACHPPM

Toxicity Clearance Process

Why a Toxicity Clearance?

A toxicity evaluation and clearance for specific materials and applications ensures the safety of Army personnel prior to use of materials.

The Army Regulation 40-5 promulgates the toxicity clearance process in the Army. The Department of the Army (DA) Pamphlet 70-3 requires a toxicity clearance (approval) prior to use of a new material or chemical. A toxicity clearance involves a toxicological evaluation of materials prior to introduction into the Army supply system. The program manager is responsible for identifying technically feasible materials and requesting a toxicity clearance for use of that material within their program. Examples are introduction of new halons, CFC replacements, and new technologies.

CHPPM toxicity evaluations require the following information:

- final chemical formulation (handled as proprietary information if required)
- identity and application of new material; identity of material being replaced if applicable
- reports from manufacturers pertaining to commercial use of the product in the marketplace and material safety data sheets (MSDSs)
- available human and animal toxicity study and epidemiology information

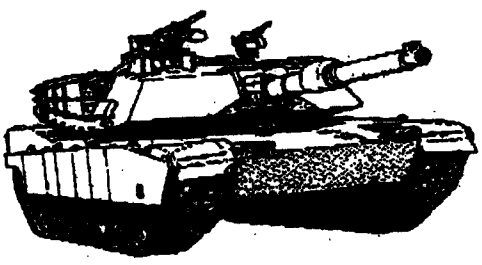
A toxicity evaluation is performed and clearances are conditionally-approved based on the specific product application or use condition. CHPPM is currently evaluating replacement materials for fire suppressants, solvents and refrigerants.

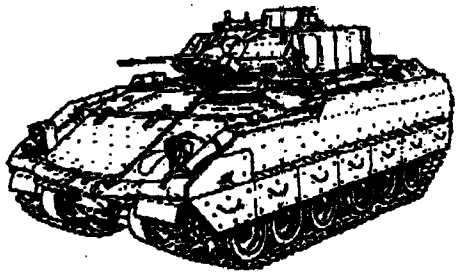
The CHPPM Toxicology Directorate homepage lists the conditionally-approved, disapproved and 'in-progress' toxicity clearances. This listing can be found at:

http://chppm-www.apgea.army.mil/tox/

The CHPPM Internet homepage can be found at:

http://chppm-www.apgea.army.mil





Attachment 004

USACHPPM

Toxicity Clearance Format

A toxicity clearance request should be forwarded from the Program Manager, through the supporting Surgeon's office, to CHPPM. The following format should be used:

DEPARTMENT OF THE ARMY
US ARMY COMMAND
SOMEWHERE, USA 55515

AMMX-XT-PM

MEMORANDUM THRU
COMMANDER, US ARMY MATERIEL COMMAND, ATTN: AMCRDA-TE-E (MR. JOSEPH A. MACKO, JR.), 5001 EISENHOWER AVE, ALEXANDRIA, VA 22333-0001
COMMANDER, US ARMY MATERIEL COMMAND, ATTN: AMCSG-I, 5001 EISENHOWER AVE, ALEXANDRIA, VA 22333-0001
FOR COMMANDER, US ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE, ATTN: MCHB-TS-T, ABERDEEN PROVING GROUND, MD 21010-5422

SUBJECT: Request for Toxicity Clearance for *[subject chemical or product]*

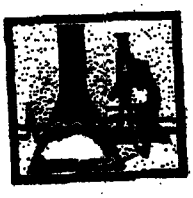
1. Request a toxicity evaluation be performed and a toxicity clearance be issued for [subject chemical or product], a new product being considered for use in [state application]. The new product will replace [chemical name] in this particular application.

2. Enclosed is the technical information on the product provided by the manufacturer. The manufacturer is XYZ, Inc., Street address, City, State. The manufacturer POC is [Name] at [Phone number]. The POC in this office is [Name] at Commercial [Phone number] and DSN [Phone number].

NAME
RANK
TITLE

For additional information regarding the toxicity clearance process, contact:

Mr. Joseph A. Macko, Jr.
U.S. Army Center for Health Promotion and Preventive Medicine
Liaison to Army Acquisition Pollution Prevention Support Office
AMCRDA-TE-E/SAAL-ZCS-E
5001 Eisenhower Avenue
Alexandria, VA 22333-0001
AAPPSO: Phone (703)617-5964
DSN: 767-5964; FAX: (703)617-5146
CHPPM: Phone (410)436-3387
DSN: 584-3387; FAX: (410)436-6710
Email address is: joseph.macko@apg.amedd.army.mil



Additional information can be obtained from the CHPPM Toxicity Clearance Administrator: Mr. Richard Angerhofer at (410)436-2201 or DSN 584-2201 or Ms. Jean Lloyd, Prospective Technologies Incorporated at (410)721-2492.

SPECIAL PACKAGING INSTRUCTION

Form Approved
OMB No. 0704-0188

1. PART OR DRAWING NO. NOMENCLATURE			2. CODE IDENT	3. SPI NO.
UNIVERSAL SECOND SKIN			59678	(AM) PEA-PRF-2006
4. NATIONAL STOCK NO.			5.DATE OF DRAWING/SPI(YYMMDD)	6. REVISION / ERR NO.
			020129	--
7. QUP / UNIT OF ISSUE	8. ICQ	9. UNIT PACK WT. (LB) (0.0)	10. UNIT PACK CU (CU. FT.)(0.000)	11. UNIT PACK SIZE (INCHES)(00.0)
001/EA				

12. MILITARY PRESERVATION	18. STEPS	19. REQD	20. DESCRIPTION
MIL-STD-2073-1, METHOD 31	1		PAD INSERT, PPP-C-795, CLASS I (NOTE C)
13. CLEANING	2		MIL-DTL-117, STYLE 2, TYPE 1, CLASS B (NOTE C)
* (B)	3		HEAT SEAL (NOTE C)
14. DRYING			
*(B)			
15. PACKING			
a. LEVEL A			
MIL-STD-2073-1			
b. LEVEL B			
MIL-STD-2073-1			
16. MARKING			
MIL-STD-129			

17. NOTES/DRAWINGS

* UNLESS OTHERWISE SPECIFIED, CLEANING AND DRYING SHALL BE IN ACCORDANCE WITH PARAGRAPH 5.2.1 OF MIL-STD-2073-1. WEIGHTS AND SIZES ARE ESTIMATED AND MAY VARY SLIGHTLY.
INTERMEDIATE PACKAGING AND PACKING WILL BE IN ACCORDANCE WITH SPECIFICATION MIL-STD-2073-1 OR AS OTHERWISE SPECIFIED HEREON.

(A) - THIS SPI COVERS TWO SIZES OF SECOND SKINS, P/N EA-PRF-2006, TYPE I (SMALL) AND TYPE II (MED/LARGE). THE PRESERVATION (UNIT PACKAGING AND MARKING) FOR THE SECOND SKIN SHALL BE SPECIFIED HEREIN. NOTE: ONLY ONE SIZE OF SECOND SKINS SHALL BE INTERMEDIATELY PACKED TOGETHER FOR SHIPMENT (SEE NOTES (D) AND (E), PAGE 2.

(B) - CLEANING AND DRYING. NOTE: NO PRESERVATIVE COMPOUNDS SHALL BE USED ON ANY PORTION OF THE SECOND SKIN. THE SECOND SKIN SHALL BE CLEANED AND DRIED AS FOLLOWS:

- CLEAN BY WIPING SECOND SKIN THOROUGHLY INSIDE AND OUT WITH ISOPROPYL ALCOHOL USING A LINT AND DUST FREE CLOTH.

- THOROUGHLY DRY SECOND SKIN WITH CLEAN FILTERED AIR BEFORE PROCEEDING WITH THE PACKAGING OPERATION, NOTE (C) BELOW.

(C - PRIOR TO PACKAGING OPERATION, FORM A PAD FROM THE INSERT MATERIAL (STEP 1), HAVING EXTERIOR DIMENSIONS OF 8 1/2 t/-1/2 x 8 t/-1/2 x 2 3/8 t/-1/2, LENGTH, WIDTH AND DEPTH RESPECTIVELY. OPTIONALLY, THE INSERT PAD MAY BE FABRICATED USING TYPE I OF PPP-C-1797 TO PRODUCE THE DIMENSIONS AS INDICATED. THE INSERT PAD (STEP 1) MAY BE SECURED WITH EITHER TAPE CONFORMING TO ASTM D5486; OR RUBBER BAND CONFORMING TO SIZE 18 OF A-A-131. PLACE THE INSERT PAD IN THE OPENING OF SECOND SKIN BY FIRST INSERTING ONE END OF THE INSERT PAD SNUGLY IN THE CHIN AREA. FOLLOWED BY THE FOREHEAD AREA. WHILE HOLDING THIS CONFIGURATION (SECOND SKIN/INSERT ASSEMBLY) TOGETHER, INSERT INTO BAG (STEP 2) AND CLOSE (STEP 3).

WSC: **ITEM SIZE:** **ITEM WEIGHT:** **APPROVED:** *James F. Zoll*

DISTRIBUTION STATEMENT A, UNLIMITED

Attachment 005

SPECIAL PACKAGING INSTRUCTION (Continuation sheet)

Form Approved
OMB No. 0704-0188

1. PART OR DRAWING NO. NOMENCLATURE	2. CODE INDENT	3. SPI NO.
UNIVERSAL SECOND SKIN	59678	(AM) PEA-PRF-2006
4. NATIONAL STOCK NO.	**5.DATE OF DRAWING/SPI(YYMMDD)**	**6. REVISION / ERR NO.**
	020129	-

THE CLOSURE (STEP 3) SHALL BE ACCOMPLISHED IAW BAG OR BAG MATERIAL SUPPLIERS RECOMMENDATIONS FOR DWELL, PRESSURE AND TEMPERATURE REQUIREMENTS. EVACUATE EXCESS AIR FROM BAG PRIOR TO FINAL HEAT SEAL. THE INCLUDED AIR VOLUME WITHIN THE BAGGED ASSEMBLY SHALL BE KEPT TO A PRACTICAL MINIMUM. CAUTION: OVER EVACUATION WILL CAUSE DAMAGE ITEM.

(D) - INTERMEDIATE PACK. FOUR (4) UNIT PACK ASSEMBLIES (LEVEL A UNIT PACK REQUIREMENTS, PAGE 1) SHALL BE INTERMEDIATELY PACKED IN A FIBERBOARD BOX CONFORMING TO TYPE CF, CLASS WEATHER RESISTANT, VARIETY SW, GRADE W6C, STYLE RSC, NORMAL REQUIREMENTS, 65 MAXIMUM WEIGHT OF CONTENTS OF ASTM D5118. LENGTH, WIDTH AND DEPTH RESPECTIVELY. A GRADE W5C BOX MAY BE SUBSTITUTED. ADD DUNNAGE, CONFORMING TO MATERIAL IN STEP 1, AS NECESSARY TO MAKE A TIGHT INTERMEDIATE PACK. OPTIONALLY, DUNNAGE CONFORMING TO TYPE I OF PPP-C-1797 MAY BE USED.

(E) - PACKING. PACKING SHALL BE LEVEL A, B OR C, AS SPECIFIED IN THE CONTRACT OR ORDER. PACKING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH MILSTD-2073-1.

(F) - MARKING. IN ADDITION TO STANDARD INTERIOR AND EXTERIOR IDENTIFICATION AND CONTRACT DATA MARKINGS REQUIRED BY MIL-STD-129, SHELF LIFE MARKINGS MAY BE REQUIRED. SHELF LIFE MARKINGS SHALL BE IN CONFORMANCE WITH MIL-STD-129 AND CONTRACT SECTION C-1,3.

(G) - UNIT PACK CONTAINER LEAKAGE. THE UNIT PACK BAG (STEP 2) SHALL SHOW NO SIGNS OF LEAKAGE AS EVIDENCED BY A CONTINUOUS STREAM OF BUBBLES WHICH APPEAR AT ANY SURFACE OF THE CONTAINER.

(H) - HEAT SEAL SEAM STRENGTH. THE HEAT SEAL OF THE UNIT PACK BAG (STEP 2) SHALL SHOW NO SIGN OF SEAM SEPARATION.

(I) - INTERPLANT SHIPMENT SHALL ONLY BE USED AS INDICATED.

DOCUMENT SUMMARY LIST

Item: UNIVERSAL SECOND SKINS (TYPE I AND II)
NSN: 4240-01-413-1540, 1543
Control Number/PRON: C41IAA01, 02

Identifies all first tier documents (cited in SOW) (applicable DIDs). Also included are all referenced documents (2nd, (includes DID block 10 references), 3rd and lower tier) which have been tailored.

DOCUMENT CATEGORY:

CATEGORY O - Unless otherwise specified in the solicitation, contract, or contract modifications, all documents are for guidance and information only.

CATEGORY 1 - The requirements contained in the directly cited document are contractually applicable to the extent specified. All referenced documents are for guidance and information only.

CATEGORY 2 - The requirements contained in the directly cited document and the reference documents identified in the directly cited document are contractually applicable to the extent specified. All subsequently referenced documents are for guidance and information only.

CATEGORY 3 - Unless otherwise specified in the solicitation, contract or contract modification, all requirements contained in the directly cited document and all reference and subsequently referenced documents are contractually applicable to the extent specified.

Document Number (Contract Reference) Applicable Tailoring	Document Title	Document Date/ Document Category
1a. MIL-STD-973	Configuration Management	17 Apr 92 Cat 2

See section C clause(s) titled: Value Engineering Change Proposals, Engineering Change Proposals, Deviation and/or Ozone-Depleting Substances.

In the application of MIL-STD-973 Paragraphs 5.4.3, 5.4.4 and 5.4.8 apply, and are tailored as follows:

(1) Page 53, para 5.4.3.4., Delete "a contractor designed form, or a letter" in the first sentence.

(2) Page 53, para 5.4.3.3.2a., Line 5, add "or size" after "weight".

(3) Page 53, Delete para 5.4.3.5., and replace by, "Unless otherwise specified in the contract, requests for critical deviations should be approved or disapproved within 30 calendar days of receipt by the Government and for all other deviations within 60 calendar days of receipt by the Government."

(4) Para 5.4.3.5.1. Minor deviations.
Line 3. Delete "...by the activity...Class II change" and insert "by the Contracting Officer."

(5) Page 55, para 5.4.4.3.2a., Line 7, add "or size" after "weight".

Attachment 006

(6) Page 56.Delete paragraph 5.4.4.5 and replace by "Unless otherwise specified in the contract requests for critical waivers should be approved or disapproved within 30 calendar days of receipt by the Government and for all other RFWs within 60 calendar days of receipt by the Government."

(7) Para 5.4.4.5.1. Minor waivers.
Lines 4 and 5. Delete "...Contract Administration Office (CAO)." Insert "...Configuration Manager and a Government Contracting Officer."

(8) Page 61, para 5.4.8.3.4., in line 6 add "or size" after "weight".

(9) Page 61, Add new para 5.4.8.3.4.1., "An RFD shall be supported by test data and analysis, where appropriate, and provided to support the decision regarding acceptance of the nonconformance."

(10) Page 61, Delete para 5.4.8.3.5. and replace by, "Unless otherwise specified in the contract, deviations are approved and authorized only by the Contracting Officer. Critical deviations should be processed within 30 calendar days of receipt by the Government and all other RFDs processed within 60 calendar days of receipt by the Government."

(11) Page 62, para 5.4.8.4, Delete lines 7 thru 10 and replace with "standard. All RFWs shall be submitted as specified in the contract for approval or disapproval and acceptance or rejection by the authorized Contracting Officer."

(12) Page 62, para 5.4.8.4.4., on line 6 add "or size" after "weight".

(13) Page 62, Add new para 5.4.8.4.4.1., "an RFW shall be supported by test data and analysis, where appropriate, and provided to support the decision regarding acceptance of the nonconformance."

1b. Interim Notice 3 (DO)	Configuration Management	13 Jan 95 Cat 2
1c. DI-CMAN-80639B (seq A001)	Engineering Change Proposal	13 Jan 95 Cat 2
1d. DI-CMAN-80640B (seq A002)	Request for Deviation	13 Jan 95 Cat 2
1e. DI-CMAN-80641B (seq A003)	Request for Waiver	13 Jan 95 Cat 2
1f. DI-CMAN-80642B (seq A004)	Notice of Revision	13 Jan 95 Cat 2
2. ANSI/ISO/ASQC Q9002	Model for Quality Assurance in Production, Installation & Servicing	18 Jul 94
	OR	
ANSI/ISO/ASQC Q9001-2000	American National Standard Quality management systems-Requirements	13 Dec 00

ADDRESS CODE DISTRIBUTION – for ECPs.RFDs/RFWs/VECPs

(Configuration Management)

1. Concurrent transmittal of Engineering Change Proposals (ECPs), Requests for Deviation (RFDs), Requests for Waivers (RFWs) or Value Engineering Change Proposals (VECPs) shall be submitted by the Contractors by either emailing or faxing engineering actions as follows:

2. The contractor shall electronically transmit copies to:

   a. (SBCCOM (RI) Engineering Office)
      OFFICE: AMSSB-RSO-IPM (RI)
      POC: Willie Felix
      EMAIL: felixa@ria.army.mil
      FAX: (309) 782-4651

   b. (Contracting Officer)
      OFFICE: AMSTA-CM-CREC
      POC: Joyce L. Klein
      EMAIL: kleinj@ria.army.mil
      FAX: (309) 782-1218

   c. (Design Agency)
      OFFICE: AMSSB-PM-RNN-M (A)
      POC: Samuel Carter
      EMAIL: samuel.carter@SBCCOM.APGEA.ARMY.MIL
      FAX: (410) 436-2149

   d. Administrative Contracting Officer

3. For VECPs only:

   a. (Design Agency)
      OFFICE: AMSSB-REN-R (A)
      POC: Kimberly Walton
      EMAIL: krwalton@sbccom.apgea.army.mil
      FAX: (410)436-3912

Attachment 007

LIST OF ADDRESSES

(see block 14 of DD Form 1423 for symbols that apply)

Commander
U.S. Army TACOM-RI
ATTN: AMSTA-CM-CREC
Rock Island, IL 61299-7630

Commander
U.S. Army TACOM-RI
ATTN: AMSTA-LCRS
Rock Island, IL 61299-7630

Commander
U.S. Army Soldier and Biological Chemical Command
ATTN: AMSSB-RSO-ADM (RI)
Rock Island, IL 61299-7390

Commander
U.S. Army Soldier and Biological Chemical Command
ATTN: AMSSB-RSO-IPM (RI)
Rock Island, IL 61299-7390

Commander
U.S. Army Soldier and Biological Chemical
ATTN: AMSSB-RIM-____ or AMSSC-RIM-____ (N)
Kansas Street
Natick, MA 01760-5052

Commander
U.S. Army Soldier and Biological Chemical Command
ATTN: AMSSB-REN-____ (A)
Aberdeen Proving Ground, MD 21010-5423

Attachment 008

STATEMENT OF WORK FOR REFURBISHMENT AND REPLATING

1. STATEMENT OF WORK: THE PURPOSE OF THIS EFFORT IS FOR THE REFURBISHMENT AND REPLATING OF MOLDS USED IN THE PRODUCTION OF THE UNIVERSAL SECOND SKIN. THIS STATEMENT OF WORK APPLIES TO THE GOVERNMENT-OWNED MOLDS. THE CONTRACTOR SHALL HAVE THE MOLDS REBURBISHED AND REPLATED PER THE FOLLOWING:

a. DELIVERY SCHEDULE: THE CONTRACTOR SHALL HAVE THE MOLDS REFURBISHED AND REPLATED. HISTORICALLY, REFURBISHMENT/REPLATING HAS TAKEN PLACE AFTER 25,000 - 35,000 UNITS HAVE BEEN PRODUCED. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR EXCEED 50,000 SKINS WITHOUT RECEIVING GOVERNMENT APPROVAL PRIOR TO CONTINUING PRODUCTION.

b. NOTIFICATION OF NEED FOR REFURBISHMENT AND REPLATING - AT THE EARLIEST CONVENIENCE AND AT LEAST 3 BUSINESS DAYS PRIOR TO REMOVING THE MOLD FROM THE MOLDING PRESS, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IN WRITTING OF PLANS TO REFURBISH/REPLATE THE MOLD.

c. REFURBISHMENT AND REPLATING: THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING MOLDS FOR REFURBISHMENT AND REPLATING AS WELL AS ALL OPERATIONS REQUIRED TO AFFECT THE REFURBISHMENT AND REPLATING.

d. POST-PLATING SAMPLES: UPON RETURN TO THE MOLDING FACILITY, THE MOLD SHALL BE RE-INSTALLED INTO THE APPROPRIATE MOLDING PRESS. AFTER THE MOLD IS BACK INTO PRODUCTION, SAMPLE ITEMS ARE REQUIRED. A TOTAL OF 3 SAMPLES PER CAVITY FROM THE FIRST DAY OF PRODUCTION IS REQUIRED FOR SUBMISSION TO ADDRESS IN PARAGRAPH 3 BELOW. THE CONTRACTOR SHALL NOT PROCEED WITH PRODUCTION UNTIL MOLD APPROVAL IS RECEIVED.

2. GOVERNMENT FURNISHED PROPERTY OR ASSISTANCE: NO GOVERNMENT FURNISHED PROPERTY IS REQUIRED FOR THIS EFFORT.

3. DESTINATION: THE CONTRACTOR SHALL DELIVER THE DATA/SUPPLIES/SERVICES TO:

PM FOR NBC DEFENSE SYSTEMS
AMSSB-PM-RNN-M/S. KAMINSKY
BUILDING E4470
APG, MD 21010-5424

4. INSPECTION AND ACCEPTANCE: THE OFFICE IN PARAGRAPH 3 SHALL PERFORM INSPECTION AND ACCEPTANCE WITH APPROVAL FURNISHED TO THE CONTRACTOR AND A COPY TO THE CONTRACTING OFFICER.

Attachment 009

CONTRACT DATA REQUIREMENTS LIST
DD FORM 1423 (MECHANIZED)

CATEGORY: MISC SYSTEM/ITEM: UNIVERSAL SECOND SKINS(TYPE I AND II)
TO CONTRACT/PR: C41IAA01,02

1. SEQUENCE NUMBER
14. DISTRIBUTION DRFT/REG/REPRO COPIES
2. TITLE OF DATA ITEM
3. SUBTITLE
4. DATA ITEM NUMBER
5. CONTRACT REFERENCE
6. TECHNICAL OFFICE 7. DD 250 8. APP CODE 9. DIST STATEMENT REQUIRED
10. FREQUENCY 11. AS OF DATE 15. TOTAL:
12. DATE OF 1ST SUBMISSION 13. DATE OF SUBSEQUENT SUBMISSION
16. REMARKS

---

1. A001
2. ENGINEERING CHANGE PROPOSAL (ECP)
3. *
14. SEE ADDRESS CODE / / DISTRIBUTION / / ATTACHED / /
4. DI-CMAN-80639B
5. MIL-STD-973
6. AMSSB-RSO-ADM(RI) 7. LT 8. - 9.**
10. ASREQ 11. --- 15. TOTAL 0/ 0/ 0
12. ASREQ 13.
16. REMARKS
ECP SHORT FORM SHALL BE USED FOR THE SUBMISSION AND PROCESSING OF ALL CLASS II ENGINEERING ACTIONS. **DISTRIBUTION STATEMENT WILL BE ASSIGNED AND IMPLEMENTED BY THE DOD CONFIGURATION MANAGER.

---

1. A002
2. REQUEST FOR DEVIATION (RFD)
3.
14. SEE ADDRESS CODE / / DISTRIBUTION / / ATTACHED / /
4. DI-CMAN-80640B
5. MIL-STD-973
6. AMSSB-RSO-ADM(RI) 7. LT 8. - 9.**
10. ASREQ 11. --- 15. TOTAL 0/ 0/ 0
12. ASREQ 13.
16. REMARKS
**DISTRIBUTION STATEMENT WILL BE ASSIGNED AND IMPLEMENTED BY THE DOD CONFIGURATION MANAGER.

Exhibit A

1. A003

2. REQUEST FOR WAIVER (RFW)

3.

14. SEE ADDRESS CODE / / DISTRIBUTION / / ATTACHED / /

4. DI-CMAN-80641B

5. MIL-STD-973

6. AMSSC-HB-ADM(RI) 7. LT 8. - 9.**

10. ASREQ 11. ---

15. TOTAL 0/ 0/ 0

12. ASREQ 13.

16. REMARKS
**DISTRIBUTION STATEMENT WILL BE ASSIGNED AND IMPLEMENTED BY THE DOD CONFIGURATION MANAGER.

---

1. A004

2. NOTICE OF REVISION (NOR)

3.

14. SEE ADDRESS CODE / / DISTRIBUTION / / ATTACHED / /

4. DI-CMAN-80642B

5. MIL-STD-973

6. AMSSB-RSO-ADM(RI) 7. LT 8. - 9.**

10. ASREQ 11. ---

15. TOTAL 0/ 0/ 0

12. ASREQ 13.

16. REMARKS
THE CONTRACTOR SHALL PREPARE AND SUBMIT A NOR FOR EACH DRAWING, ASSOCIATED LIST, OR OTHER REFERENCED DOCUMENT WHICH REQUIRE REVISION AFTER ECP APPROVAL. **DISTRIBUTION STATEMENT WILL BE ASSIGNED AND IMPLEMENTED BY THE DOD CONFIGURATION MANAGER.

ALL THE ABOVE MAY BE SUBMITTED TO:

COMMANDER
U.S.ARMY SOLDIER AND BIOLOGICAL CHEMICAL COMMAND (SBCCOM)
ATTN: AMSSB-RSO-ADM (CDE QA CELL) BLDG.62,1st floor,West Wing
ROCK ISLAND,IL 61299-7390

APPROVED BY: STEPHEN J HANSEN, SDMO, AMSTA-AR-QAD DATE: 12/17/01